

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

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DECEMBER 15, 1999

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RITTER, VAN PELT & YI LLP SUSAN C. YI 4906 EL CAMINO REAL SUITE 205 LOS ALTOS, CA 94022



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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/27/1999

REEL/FRAME: 010263/0580

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

THOMSON CONSUMER ELECTRONICS, INC. DOC DATE: 06/28/1999

ASSIGNEE:

OPENTV, INC.

401 EAST MIDDLEFIELD ROAD

MOUNTAIN VIEW, CALIFORNIA 94043

SERIAL NUMBER: 08233908 PATENT NUMBER: 5819034

FILING DATE: 04/28/1994 ISSUE DATE: 10/06/1998

RITTER, VAN PELT & YILLP

RITTER, VAN PELT & YI LLP

SHIRLIE SIMON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS DEC 27 1999

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# 101158221

# ASSIGNMENT RECORDATION COVER SHEET -PATENTS ONLY-

То:	Honorable Commissioner of Patents and Trademarks:	
	Please record the attached original document(s) or copy thereof.	
1.	Name of conveying party(ies)  a) Thomson Consumer Electronics, Inc.  9-37-99	
2.	Name and address of receiving party(ies):  a) Name: OpenTV, Inc.  b) Address: 401 East Middlefield Road, Mountain View, CA 94043	•
3.	Nature of conveyance  Assignment  Security Agreement  Other  License Agreement  Execution Date: June 28, 1999	
4.	Application Number(s) or Patent Number(s): 5,819,034	
	The title of the (new) application is:	
5.	APPARATUS FOR TRANSMITTING AND RECEIVING EXECUTABLE APPLICAMULTIMEDIA SYSTEM  Please send all correspondence concerning this (these) documents to:  Customer No. 21912 Ritter, Van Pelt & Yi LLP  4906 El Camino Real, Suite 205 Los Altos, CA 94022 (650) 903-3500 (PH) (650) 903-3501 (FX)	
6.	Total number of applications and patents involved: 1	
7.	Total fee (37 CFR 3.41): \$40.00	
	Enclosed Any deficiencies are hereby authorized to be charged to Deposit Account OPTVP211)	
	opy is a true copy of the original document.  Tate: September 14, 1999  Susan C. Yi	ect and any attached

09/29/1999 01 FC:581

# PATENT ASSIGNMENT

Thomson multimedia S.A., a sociéte anonyme incorporated under the laws of France, having a principal place of business at 46, Quai Alphonse le Gallo, 92648 Boulogne, France and Thomson Consumer Electronics, Inc., a Delaware corporation, having a principal place of business at 10330 N. Meridian Street, Indianapolis, Indiana 46206-1976 have assigned and transferred their entire rights to the title and interest in the following list of patents and patent applications to OpenTV, Inc., a Delaware Corporation having a place of business at 401 East Middlefield Road, Mountain View, California 94043.

### SEE ATTACHMENT A

By: Joseph S. Tripoli Title: Senior Vice President, Thomson multimedia Licensing Inc. For Thomson Consumer Electronics, Inc.	Witnessed by notary:  MARIE E. LINKE  NOTARY PUBLIC OF NEW JERSEY  My Commission Exp. July 10, 2003  Witnessed by notary:  MARIE E. LINKE  NOT. RY PUBLIC OF NEW JERSEY  My Commission Exp. July 10, 2003
Date:	Witnessed by notary:
Ву:	
Title:	

# Attachment A List of Assigned Issued Patents and Pending Cases

Thomson Reference Number	Country	Application number	Filing date	Patent number	Issue date	Title of the invention
87492	US	08/233,908	4/28/1994	5,819,034	10/6/1998	Apparatus For Transmitting And Receiving Executable Applications As For A Multimedia System

**PATENT** 



## N THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Patent Numbers:

5,819,034

# POWER OF ATTORNEY BY ASSIGNEE AND REVOCATION OF PREVIOUS POWERS

Assistant Commissioner for Patents Washington, D. C. 20231

Sir:

OPENTV, INC., ("assignee"), a California corporation having a place of business at 401 East Middlefield Rd., Mountain View, CA 94043, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patents and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment document that evidences the placement of title in the assignee, a true and correct copy of which is attached hereto, and understands and believes that this assignment document has been submitted for recordation in the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. §§1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints Michael J. Ritter, Reg. No. 36,653; Lee Van Pelt, Reg. No. 38,352; Susan C. Yi, Reg. No. 39,883; Dan H. Lang, Reg. No. 38,531; Cindy S. Kaplan, Reg. No. 40,043; and Jung-hua Kuo, Reg. No. 41,918 all of the law firm of Ritter, Van Pelt & Yi LLP with full power of substitution and revocation, to prosecute this

application and to transact all business in the Patent and Trademark Office connected therewith.

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Please send all correspondence for this application as follows:

CUSTOMER NO. 021912
Susan C. Yi
RITTER, VAN PELT & YI LLP
4906 El Camino Real
Suite 205
Los Altos, CA 94022

Please direct any calls to the same at (650) 903-3500.

Assignee of Interest:

Company Name: OPENTV, Inc.

401 East Middlefield Rd.

Mountain View, CA 94043

Date 14 Oct 99

Name: Jan Steenkamp

Title: CEd

STATES OF ARBEIT

DATE: 06/01/94

TO:

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N07A

JOSEPH S. TRIPOLI
PATENT OPERATIONS-GE AND RECA
LICENSING MANAGEMENT OPERATIONS, INC.

CN 5312 PRINCETON, NEW JERSEY 08543-0028 UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATA BASE

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:

JOSEPH, KURIACOSE

ASSIGNOR:

JESSUP, ANSSLEY WAYNE JR.

ASSIGNOR:

DUREAU, VINCENT

ASSIGNOR:

DELPUCH, ALAIN

DOC DATE: 04/20/94

DOC DATE: 04/20/94

DOC DATE: 04/18/94

DOC DATE: 04/18/94

RECORDATION DATE: 04/28/94 NUMBER OF PAGES 004 REEL/FRAME 6978/0789

DIGEST: ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

THOMSON CONSUMER ELECTRONICS, INC. 10330 NORTH MERIDIAN STREET INDIANAPOLIS, INDIANA 46290

SERIAL NUMBER

8-233908

FILING DATE 04/28/94

PATENT NUMBER

ISSUE DATE 00/00/00

a 1 to

EXAMINER/PARALEGAL

ASSIGNMENT BRANCH

ASSIGNMENT/CERTIFICATION SERVICES DIVISION

# ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

RCA 87,492 0, 200908

I hereby if plural invento	declare that I am the sole inventor (if only one is rs are named below) of the inventions relating :	nventor is	named below) or one of 4 joint inventors DISTRIBUTED COMPUTER SYSTEM
lescribed in an	application for Letters Patent of the United State	s of Ame	erica filed on under Serial No
Assignment/Ag	reement,		number, executed by me on even date with my execution of this
or all countries	in an to said inventions, and all the rights and p	ites of Af Irivileoes	to THOMSON CONSUMER ELECTRONICS, INC., a corporation duly of merica, its successors, and assigns my entire right, title and interest under any and all Letters Patent that may be granted therefor,
i agree t	s, continuations, reissues and extensions thereof hat, when requested. I will, without chame to a	i. Jid comor	ration but at its evocage sign all names take all sinkers
hine cacimists	one and do all ects which may be necessary.	destrable	o or convenient for securing and maintaining patents or other for thereto in said corporation, its successors, assigns or nominees.
i agree t	hat I will communicate to said corporation or its	represent	tatives any facts known to me respecting said inventions and when
- auccessors, a	residue mud rader LableseurenAes ol Volutiees' (C	obtain c	proceedings, and generally do everything possible to aid said corpor enforce proper protection for said inventions in any and all count
SENCT ILIABETHOL	is in its of their own name, of in my/our name, i	n anv an	or nominees, to make application for patent or other form of proid all countries and to invoke and claim for any application for pat
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nowledge the rig herein expres	hir now and makest below courseled by we als	free and	sessors, assigns, legal representatives, and nominees, that to the best I clear of any encumbrance, and that I have full right to convey the
HEIGHT CAPIES			
Signed at	Princeton, New Jersey	Date	Arril 20, 1994
Inventor (1)		-	V T
· 1114-411804 (1)	Kuriacose (NMN) Joseph (Type or Print)	•	(Street in East No letter)
			(Signature in Full. No initials.)
	Post Office Address 818 Ravens Crest D	rive, P	lainsboro, New Jersey 08543
	PATRICIA A. HOELER		Yatricia a Theer.
	(Type or Print)		(Signature in Full. No initials.)
2ndWitness _	•		
	(Type or Print)	······································	(Signature in Full. No initials.)
Signed at	Princeton, New Jersey	Date	(Ipril 20, 1994
· •		•	
Inventor (2)	Ansley Wayne Jessup Jr.	•	ansley wayne besser
	(Type or Print)		(Signature/in Full. No/initials.)
1	Post Office Address 22 Elmwood Lane, V	Villingb	oro, New Jersey 08046
st Witness :	PATRICIA HOELER		Potricial a Streley
	(Type or Print)	•	(Signature in Full. No initials.)
2ndWitness	LISA N. BOUCHELLE		Six M. Bruchelle
	(Type or Print)	•	(Signature in Full. No initials.)
Signed at	Culver City, California	Date	
Inventor (3)	Vincent Duranu		
	Vincent Dureau (Type or Print)	•	(Signature in Full. No initials.)
	•		
F	Post Office Address 219 Sherman Canal,	Venice	e, California 90291
st Witness _			
	(Type or Print)	•	(Signature in Full. No initials.)
endWitness			
	(Type or Print)	•	(Signature in Full. No initials.)

# REELD 9 78 FRAME 7 9 1

### ASSIGN INT AND AGREEMENT IN AN APPLK JON FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

•	declare that I am the sole inventor (if only one inventors are named below) of the inventions relating to		named below) or one of 4 ISTRIBUTED COMPUTER SYSTEM	joint inventors	
described in an	application for Letters Patent of the United States			under Serial No.	
Assignment/Age For valual and existing unde for all countries if and any divisions if agree to rightful declaration for sail it agree to requested by sail its successors, a if authorize for said invention other form of pr the Protection of right of priority if hereby document which successors, assig of priority providenceforth be sa	or, if not identified here by filing date and reement.  ble consideration received, I hereby sell, assign and or the laws of the State of Delaware, United State in an to said inventions, and all the rights and prince, continuations, reissues and extensions thereof, hat, when requested, I will, without charge to said one and do all acts which may be necessary, and inventions in any and all countries and for vestinat I will communicate to said corporation or its indicent of the communicate to said corporation or its indicent of the communicate to said corporation or its indicent of the communicate to said corporation or its indicent of the said representatives or nominees, to earnd empower said corporation, its successors, in its or their own name, or in my/our name, in otection for said inventions filed by it or them, industrial Property, as amended, or by any convewithout further written or oral authorization from consent that a copy of this assignment shall be do may be required in any country for any purpled by the International Convention for the Probabilitited for it.	transfer to se of America of Amer	to THOMSON CONSUMER ELECTRO erica, its successors, and assigns m nder any and all Letters Patent that ation but at its expense, sign all pay or convenient for securing and m thereto in said corporation, its successors any facts known to me respective any facts known to me respective enforce proper protection for said in or nominees, to make application for all countries and to invoke and clefit of the right of priority provided ch may henceforth be substituted for full legal and formal equivalent of a more particularly in proof of the cition for said inventions, and to clair of industrial Property, as amended	e with my execution of this  NICS, INC., a corporation duly orgal y entire right, title and interest, may be granted therefor,  pers, take all rightful oaths, make aintaining patents or other forms besors, assigns or nominees, sting said inventions and when thing possible to aid said corporati nventions in any and all countries or patent or other form of protecti aim for any application for patent by the International Convention or it, and to invoke and claim su my assignment, consent to file or li right of the said corporation or in the aforesaid benefits of the right, or by any convention which m	all of ion, ion or for uch its ght
I covenant knowledge the rigas herein expres	t with THOMSON CONSUMER ELECTRONICS, INC ght, title and interest herein conveyed by me are sed.	. its succe free and	essors, assigns, legal representatives, clear of any encumbrance, and that	and nominees, that to the best of I have full right to convey the sai	my me
Signed at	Princeton, New Jersey	Date			
Inventor (1)	Kuriacose (NMN) Joseph (Type or Print)		(Signature in Full. No initials.)		
	Poet Office Address 818 Ravens Crest D	rive, Pl	ainsboro, New Jersey 08	543	
1st Witness _	(Type or Print)		(Signature in Full. No initials.)		
	(Type or Print)		(Signature in Full. No initials.)		75
Signed at	Princeton, New Jersey	Date			WEEL P
Inventor (2)	Ansley Wayne Jessup Jr.		(Olerania la Call. Ma la Mala V		97
	Post Office Address _22 Elmwood Lane, V	/illingbo	oro, New Jersey 08046		8 FR.
1st Witness _	(Type or Print)		(Signature in Full. No initials.)		FRAME 7 9
2ndWitness	(Type or Print)	,	(Signature in Full. No initials.)		
Signed at	Culver City, California	Date	04/18/14		
inventor (3)	Vincent Dureau (Type or Print)		(Signature in Full. Ng infilals.)		
	Post Office Address 219 Sherman Canal,	Venice	e, California 90291	tu O	
1st Witness _	PIERRE WILLARD (Type or Print)		(Signature in Fig. No hitele.)	77	
2ndWitness _	(Type or Print)		(Signature in Full. No initials.)		

After this Assignment has been recorded please RETURN to: Patent Operations

GE and RCA

# ASSIGNMENT AND AGPZEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

Assignment/Age For valual For valual and existing under and any divisions I agree to ghtful declaration rotection for sail I agree to equested by said s successors, a I authorize or said invention ther form of price protection of ght of priority I hereby ocument which uccessors, assig priority provide enceforth be su I covenant	application for Letters Patent of the United States of or, if not identified here by filing date and s	erial number, execute ansfer to THOMSON ( of America, its succeases under any and corporation but at its sirable or convenient g title thereto in said resentatives any facts legal proceedings, as tain or enforce propersigns or nominees, my and all countries to benefit of the right on which may hence lessend a full legal and the and more perticular protection for said in ction of Industrial P. S. successors, assigns.	under Serial No.  In the property of the said corporation of the property of the substituted for it, and to invoke and claim for any application for the substituted for it, and to invoke and claim for any application for the substituted for it, and to invoke and claim for any application for the substituted for it, and to invoke and claim for any application for the substituted for it, and to invoke and claim for any application for the substituted for it, and to invoke and claim for any application for the substituted for it, and to invoke and claim for any application for the substituted for it, and to invoke and claim for any application for the substituted for it, and to invoke and claim for any application for the substituted for it, and to invoke and claim the substituted for the said corporation of the right of the said corporation and to claim the aforesaid benefits of the property, as amended, or by any convention we be a substituted for the property, as and nominees that to the best forced to the property and nominees that to the best forced to the property and nominees that to the best forced to the property and nominees that to the best forced to the property and nominees that to the best forced to the property and nominees that to the best forced to the property and nominees that to the best forced to the property and nominees that to the best forced to the property and nominees that to the property and nominees that to the property and nominees that	make all forms of s. nen corporation patent or ention for its the right thick may
Signed at	<b>10d.</b>	Date Alas	n Delnuch	
Inventor (4)	Alain Delpuch	- 04/	18/94	
	(Type or Print)	(Signal	ure in Full. No initials.)	
· •	Post Office Address 2221 Parnell Avenue, I	os Angeles, C	alifornia 90064	
1st Witness _	PIERRE WILLARD		uyó in Full Mo Intenda.)	
2ndWitness	REGIS SAIN, GRONS		A THE PARTY OF TREES,	
	(Type or Print)	18-16	ure in Full. No initials.)	- 6
Signed at		Date		
Inventor (2)			•	
	(Type or Print)	(Signet	ure in Full. No initials.)	
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Inventor (3)	PATENT A PROPERTY MAI	K OFFICE	RECEIVED	•
	(Type or Print) APR 28		ure in full. No inflicie.)	
: 1	Poet Office Address		JUN 2 8 1994	
1st Witness			1600	
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(Signature in Full. No initials.)

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